

ABSTRACT OF THE DISCLOSURE

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[0001] This invention provides novel approach to the specific detection of redox-active moieties (e.g.) in a population of redox-active moieties. In particular this invention provides a "phase-nulling" technique that can be used in the electrochemical detection of redox-active tags. The signal for each tag is selectively eliminated while the other tag's response remains virtually unchanged. This novel analysis scheme allows for the simple identification of a tag of interest in a complex matrix and is demonstrated with both flow injection analysis and capillary gel electrophoresis..

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